

CLAIMS

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1. An interconnecting sound attenuating enclosure comprising:

a) a structural frame having a right side, a left side, a rear side, a front side and a top section,

b) a right wall releasably affixed to the right side of the frame,

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c) a left wall releasably affixed to the left side of the frame,

d) a rear wall releasably affixed to the rear side of said structural frame,

e) at least one door hinged to the front side of said structural frame in a releasable manner, and

f) a top releasably affixed to the top of the structural frame, thus completely enclosing the structural frame so that sound produced within the enclosure is attenuated to sufficient degree to be acceptable by others nearby.

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2. The interconnecting sound attenuating enclosure as recited in claim 1 wherein said structural frame further comprises a detachable structure formed of thermoplastic pipe having a plurality of slip-in fittings, thus providing removable interfacing joints that permit disassembly of the frame for transportation and storage.

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3. The interconnecting sound attenuating enclosure as recited in claim 2 wherein said thermoplastic pipe comprises poly vinyl chloride (PVC) pipe and fittings.

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4. The interconnecting sound attenuating enclosure as recited in claim 1 wherein said structural frame further having a storage bag for storing said enclosure's disassembled components therein.

5. The interconnecting sound attenuating enclosure as recited in claim 1 wherein said right wall, left wall, rear wall and said top each comprise a plurality of panels having tongue and groove interconnections such that when the tongue is inserted into the groove a structural relationship is achieved, thereby forming the walls and the top into a unitary section that is structurally sturdy and yet capable of being disassembled.
6. The interconnecting sound attenuating enclosure as recited in claim 5 wherein said panels are held together by elastic means.
7. The interconnecting sound attenuating enclosure as recited in claim 6 wherein said elastic means further comprises a plurality of elastic cords.
8. The interconnecting sound attenuating enclosure as recited in claim 5 wherein said plurality of panels further comprise a fabric bag covering the entire panel, thereby forming a pad that is easily handled and provides external protection.
9. The interconnecting sound attenuating enclosure as recited in claim 8 wherein said fabric bag is made of a material selected from the group consisting of: woven fabric cloth, rip stop nylon, thermoplastic film, canvas, reinforced polyethylene, vinyl coated nylon, polyurethane mesh and woven polyethylene.
10. The interconnecting sound attenuating enclosure as recited in claim 8 wherein said fabric bags are sewn and include a zipper on one end for entry.
11. The interconnecting sound attenuating enclosure as recited in claim 5 wherein said plurality of panels are fabricated with a material selected from the group consisting of: flexible polyester urethane foam, expanded polystyrene, polyvinyl foam sheet, polyurethane foam sheet, polyamide foam sheet and closed cell sheet.

12. The interconnecting sound attenuating enclosure as recited in claim 5 further comprising at least one hook and loop fastener that is attached to each panel on at least one side for attachment to said frame by overlapping fasteners from adjacent panels around the frame.

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13. The interconnecting sound attenuating enclosure as recited in claim 1 wherein said rear wall and said top further comprise at least one opening therethrough for lighting and ventilation.

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14. The interconnecting sound attenuating enclosure as recited in claim 13 wherein said opening further having a window disposed therein including a transparent pane for admitting ambient light into the enclosure.

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15. The interconnecting sound attenuating enclosure as recited in claim 13 wherein said opening further having a fan disposed therein for circulating air within the enclosure.

16. The interconnecting sound attenuating enclosure as recited in claim 13 wherein said opening further having a light disposed therein for illuminating the enclosure's interior.

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17. The interconnecting sound attenuating enclosure as recited in claim 1 further comprising a mat that is laid flat under said enclosure for creating a seal between the walls, door and an underneath surface upon which the enclosure is resting.

18. An interconnecting sound attenuating enclosure comprising:

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a) a detachable structural frame that is formed of pipe with slip-in fittings, thus providing joints that may be disassembled for transportation or storage, and

b) a plurality of interlocking panels covering said frame such that sound produced within the enclosure is attenuated to a sufficient degree to be acceptable by others nearby.

19. An interconnecting sound attenuating enclosure comprising an enclosure having structurally reinforced panels that form an enveloped space with access means, and said
5 panels capable of disassembly for storage and transportation.